

Certified Water Audit Level 1 Validation Document

Audit Information:

Water Supplier Name: San Francisco Public Utilities Commission

PWS ID: 3810011

System Type: Potable

Audit Period: Fiscal Year 2020

Utility Representation: Joan Ryan

Validation Date: 12/11/2019

Call Time: 11:00 AM

Sufficient Supporting Documents Provided: YES

Validation Findings & Confirmation Statement:

Key Audit Metrics:

Data Validity Score: 89 **Data Validity Band (Level):** Band IV (71-90)

ILI: 2.44 **Real Loss:** 34.96 (gal/conn/day) **Apparent Loss:** 6.63 (gal/conn/day)

Non-revenue water as percent of cost of operating system: 3.4%

Certification Statement by Validator:

This water loss audit report has been Level 1 validated per the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34.

All recommendations on volume derivation and Data Validity Grades were incorporated into the water audit.

Validator Information:

Water Audit Validator: Greg Imamura

Validator Qualifications: Water Audit Validator Certificate issued by the CA-NV Section of the AWWA

Validator Provided

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Utility Provided

Water Supplier Name: SFPUC

Water Supplier ID Number: CA3810011

Water Audit Period: FY 2020

Water Audit & Water Loss Improvement Steps:

- Continued small and large meter replacement through AMI deployment program
- Continued testing implementation of a semi-proactive leak detection program, including pilot programs for new leak detection equipment and technology (Echologics and Sensus)
- Reviewed and updated assumptions used to estimate unbilled unmetered authorized consumption for fire service flushing, hydrant flushing, and dead-end flushing, as well as capture of hydrant and main flushing events
- Developing a comprehensive, 20-year Water Loss Reduction Program to be consistent with California's Senate Bill 555, Water Loss Management

Certification Statement by Utility Executive:

This water loss audit report meets the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34 and has been prepared in accordance with the method adopted by the American Water Works Association, as contained in their manual, *Water Audit and Loss Control Programs, Manual M36, Fourth Edition* and in the Free Water Audit Software version 5.

Executive Name (Print)

Executive Position

Signature

Date

Bill Teahan

Manager, City Distribution Division



12/21/2020